SLOBODIN, B.V.; FOTIYEV, A.A.

Phase diagram of the Ma_2C - V_2O_5 system. Zhur. prikl. khim. 38 no.4:801-806 Ap '65. (MIRA 18:6)

1. Institut khimii Ural'skogo filiala AN SSSR.

SLOBODIN, Y.

In the Department of Economic Research of the Urals Branch of the Academy of Sciences of the U.S.S.R. Vop.ekon. no.8:159-160 Ag '60. (MIRA 13:7)

1. Zaveduyushchiy otdelow ekonomicheskikh issledovaniy Ural'skogo filiala Akademii nauk SSSR. (Ural Mountain region--Collective farms--Income distribution) (Ural Mountain region--Power resources)

SLOBODIN, V.G., inzh.

Semiautomatic machine for the circumferential hardening of the teeth of the driven pinion of the TE3 diesel locomotive. Mashinostroenie no.3:55-58 My-Je *62. (MIRA 15:7)

1. Luganskiy zavod imeni Oktyabr'skoy revolyutsii. (Steel--Hardening) (Diesel locomotives)

TEHENT'YEV, M.L.; OSAD'KO, M.P.; BRAGINSKIY, B.I.; SLOBODIN, V.M.; FISHMAN, Z.A.; LEVIN, I.Ye.; TSYNKOV, M.Yu.; RADIR'YAN, O.G.; TYUTIN, V.A.; ABRAMOV, V.A.; FRAYER,S.V.; KOBGHIKOVA, I.A.; KARNAUKHOVA, Ye.I.; OBOLENSKIY, K.P.; IL'IN,S.A.; CAVRILOV, V.I.; FREYDMAN, S.M.; KALASHNIKOVA, V.S., redaktor; LAPIDUS, M.A., redaktor; RAKITINA, Ye.D., redaktor; FEDOTOVA, A.F., tekhnicheskiy redaktor

[Manual for students of collective farm economy] V pomoshch' izuchaiushchim ekonomiku kolkhozov. Moskva, Gos. izd-vo selkhoz. lit-ry, 1956. 423 p. (HIRA 10:1)

(Collective farms)

AVERKIYEV, A.S., red.; AGEYEV, Ya.P., dots., otv. red.; AREF'YEV, V.A., dots., kand. ekon. nauk, red.; DEMIDOV, S.F., akademik, red.; KARSHIN, V.Ye., dots., red.; KOGAN, A.Ya., starshiy prepodav., red.; MAKHALOV, V.I., starshiy prepodavatel', red.; PITAYEVSKIY, P.I., prof., red.; SLOBODIN, V.M., prof., red.; SHOLOKHOV, Ye.I., red.

[Problems in the new system of agricultural planning]Voprosy novogo poriadka planirovaniia sel'skogo khoziaistva; trudy. Kyibyshev, Kuibyshevskii planovoi in-t, 1961. 419 p. (MIRA 15:12)

1. Mezhvuzovskaya nauchnaya konferentsiya, Kuibyshev, 1960.
2. Zamestitel' predsedatelya Kuybyshevakoy oblastnoy komissii (for Averkiyev). 3. Kuybyshevskiy planovyy institut (for Ageyev, Makhalov, Karshin). 4. Deystvitel'nyy chlen Vsesoyuznoy akademii sel'skokhozyaystvennykh nauk imeni V.I.Lenina i Moskovskaya ordena Lenina sel'skokhozyaystvennaya akademiya imeni K.A.Timiryazev (for Demidov). 5. Ural'skiy filial Akademii nauk SSSR (for Slobodin). 6. Zamestitel' nachal'nika otdela sel'skogo khozyaystva i zagotovok Gosudarstvennogo planovogo komiteta Scveta Ministrov RSFSR (for Sholokhov).

(Agricultural policy)

SLOBODIN, V.M.; IVANYUK. Yu.I.; KUZOVIEV, P.M.; NAGAYEV, Yu.A., LUPAREVA, T.F.; MESHCHANINOV, S.I.; HRYUKHOV, Yu.A.; SYCHEVE, F.A.; KOSYAKOV, P.O., ced.; ZAROVA, N.H., red.izd-va; TAMKOVA, H.F., tekhn.red.

[Distribution and specialization of agriculture in Chelyabinsk Province] Razmeshchenie i spetsializatsiia sel'skogo khoziaistva Cheliabinskoi oblasti. Sverdlovsk, AN SSSR, 1963. 204 p.

(MIRA 16:12)

1. Akademiya nauk SSSR. Ural'skiy filial, Sverdlovsk. Otdel ekonomicheskikh issledovaniy.
(Chelyabinsk Province-Agriculture-Economic aspects)

ZAGORSKAYA, N.G.; YASHINA, Z.I.; SLOBODIN, V.Ya.; LEVINA, F.M.; BELEVICH, A.M.; URVANTSEV, N.N., doktor geol.-mineral. nauk, red.

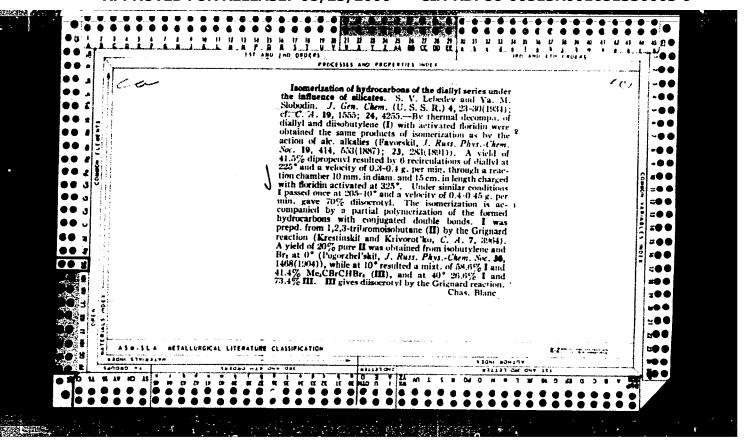
[Marine Neogene(?)-Quaternary sediments in the lower Yenisey Valley.] Morskie neogen (?)-chetvertichnye otlozheniia nizhnego techeniia reki Eniseia. Moskva, Nedra, 1965. 90 p. (Leningrad. Nauchno-issledovatel'skii institut geologii arktiki. Trudy, no. 144) (MIRA 18:8)

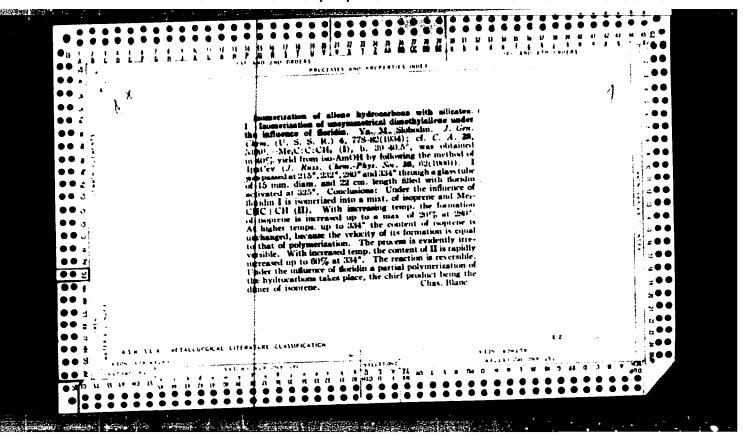
SLOBODIN, Ya.M.; MAYOROVA, V.Ye.; SMIRNOVA, A.M.

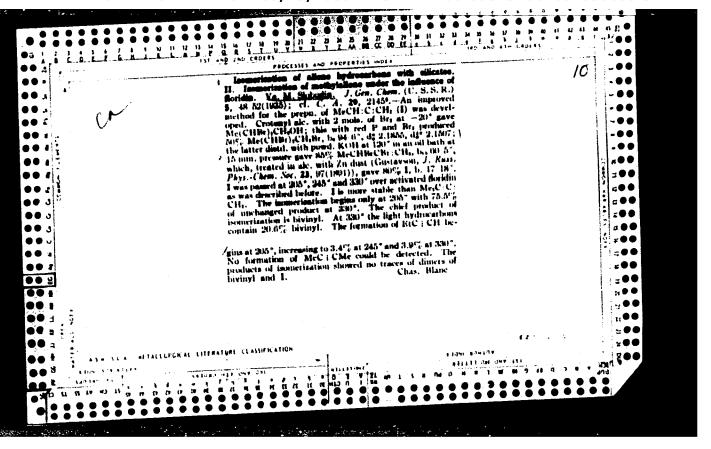
Thermal degradation of ethylene-propylene rubber. Part 1: $C_2 - C_6$ hydrocarbons in the products of thermal degradation of ethylene-propylene synthetic rubber. Vysokom. soed. 6 no.3:541-544 Mr'64. (MIRA 17:5)

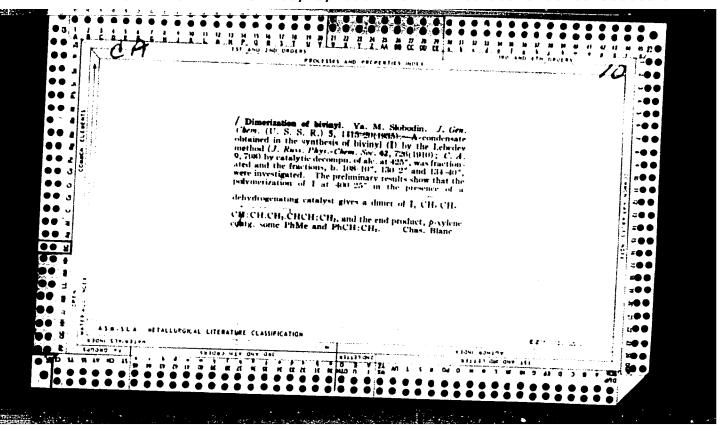
1. Severo-zapadnyy zaochnyy politekhnicheskiy institut.

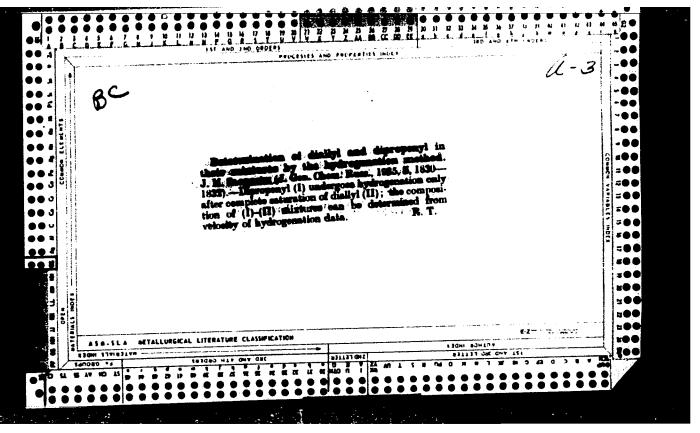
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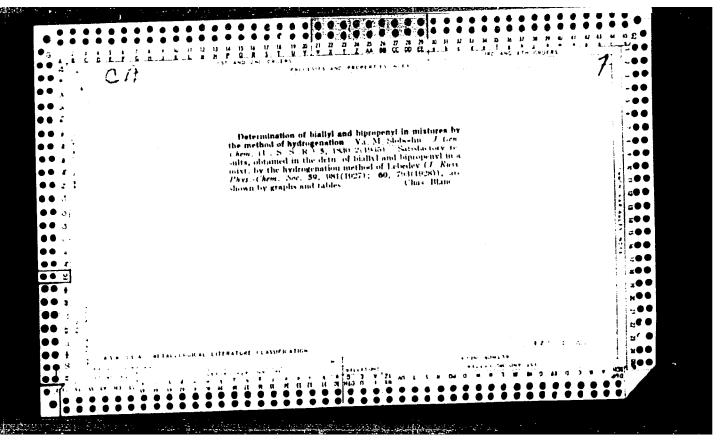


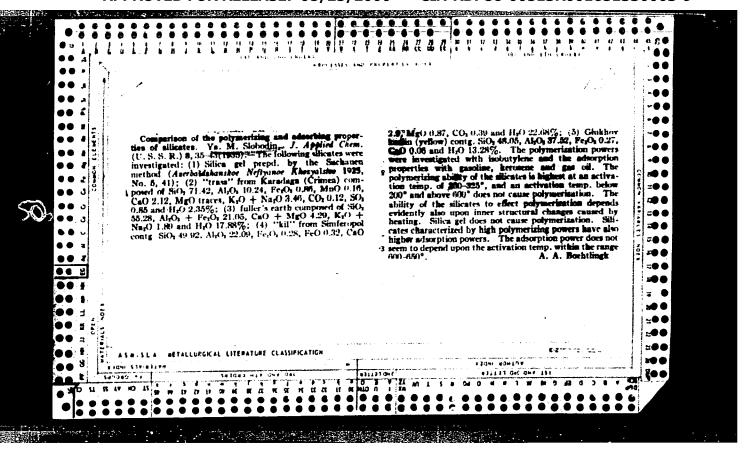


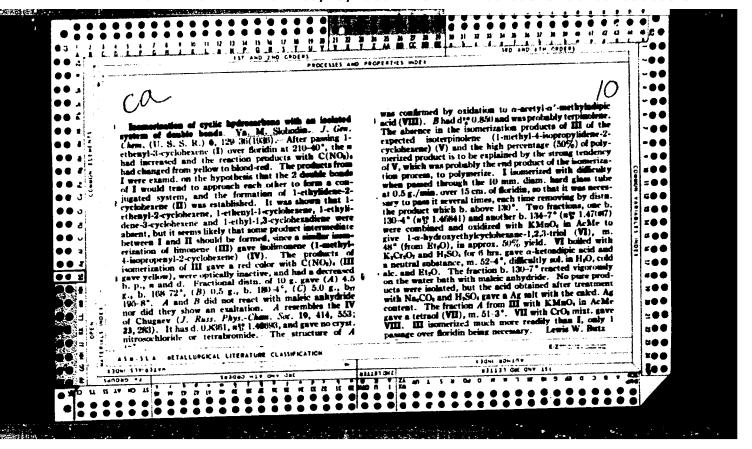


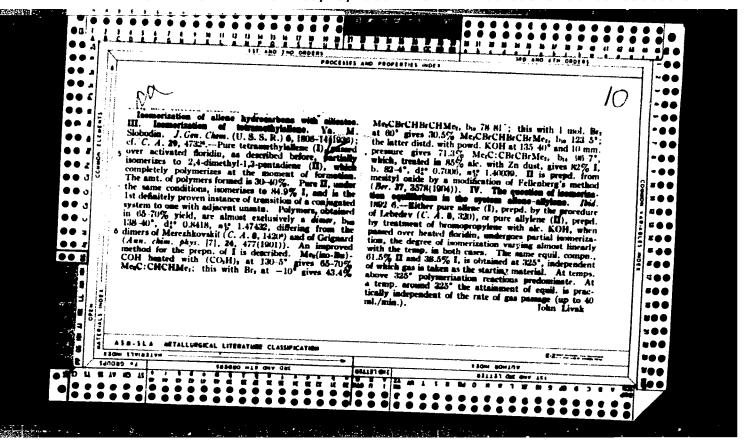


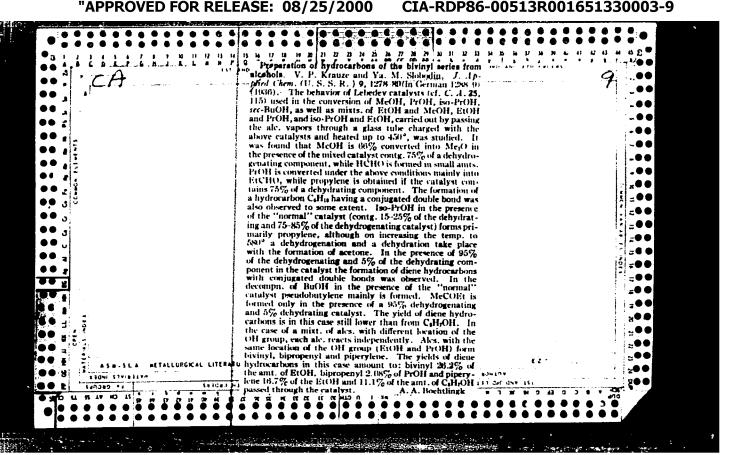


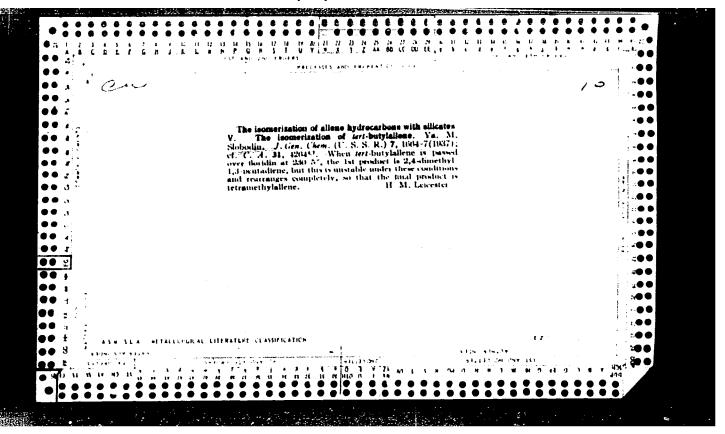


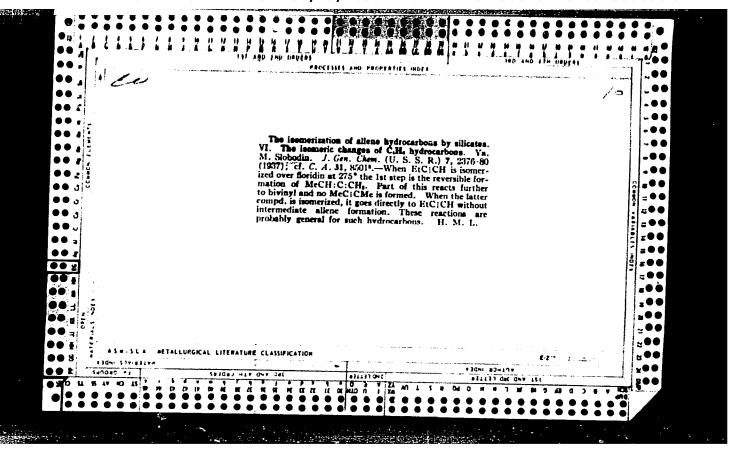


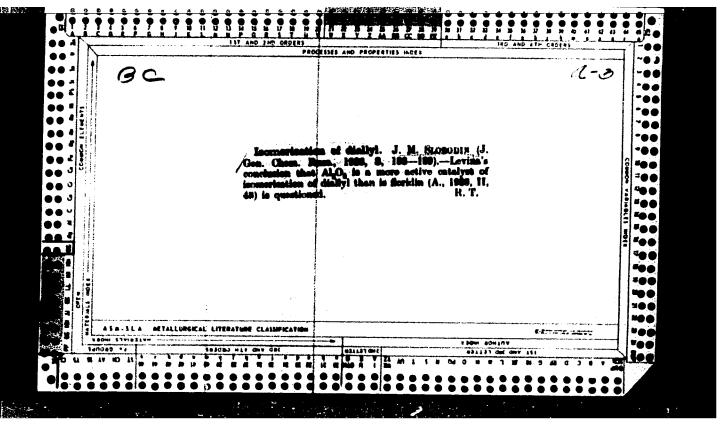


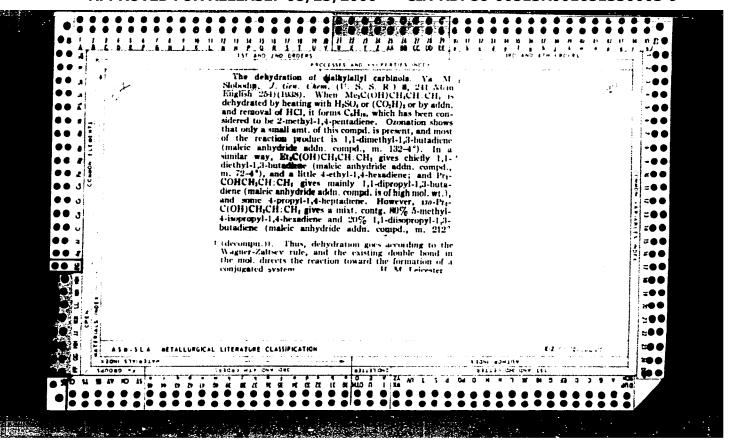


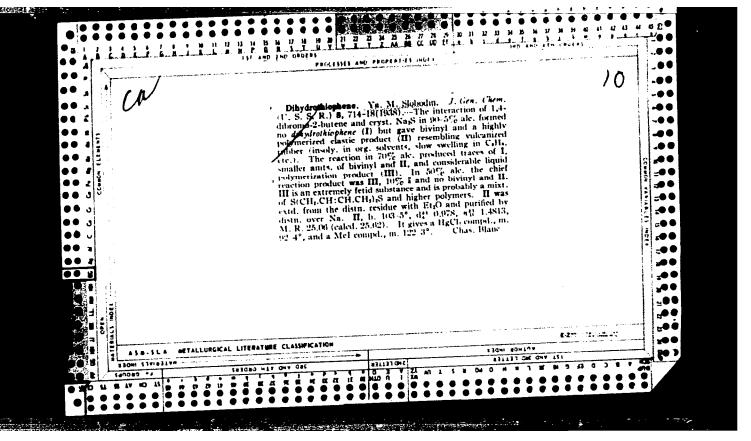


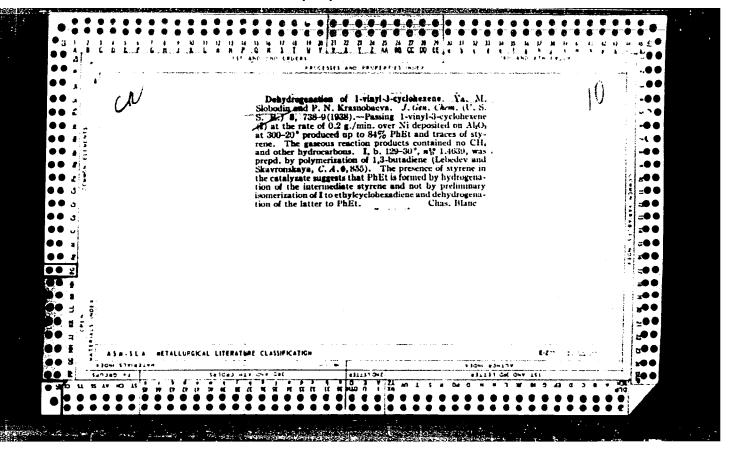


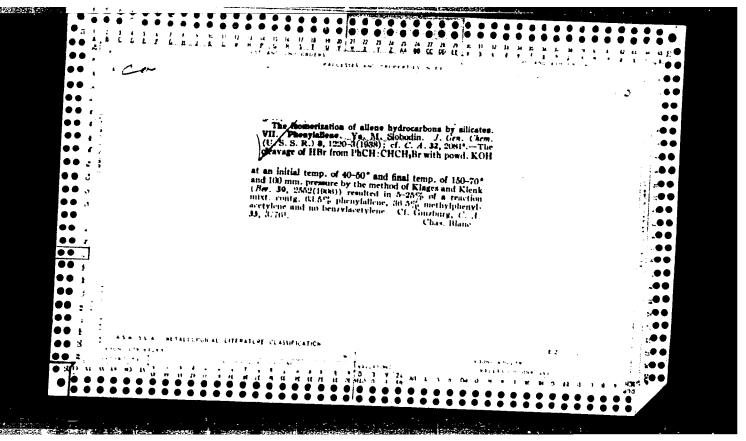


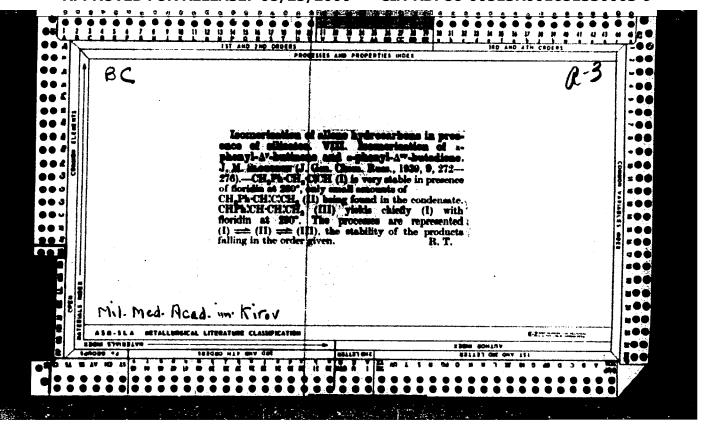


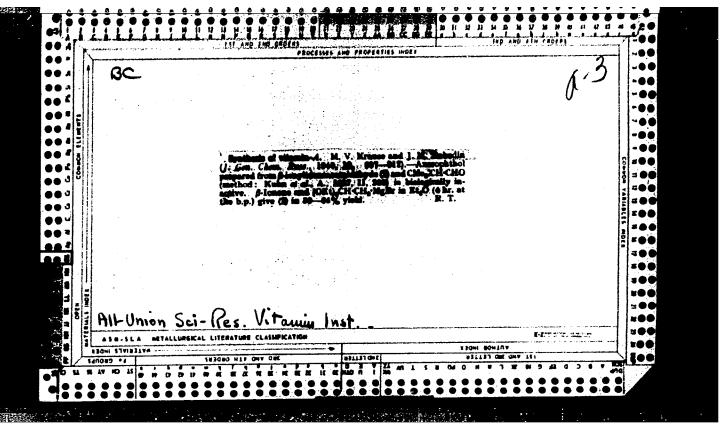


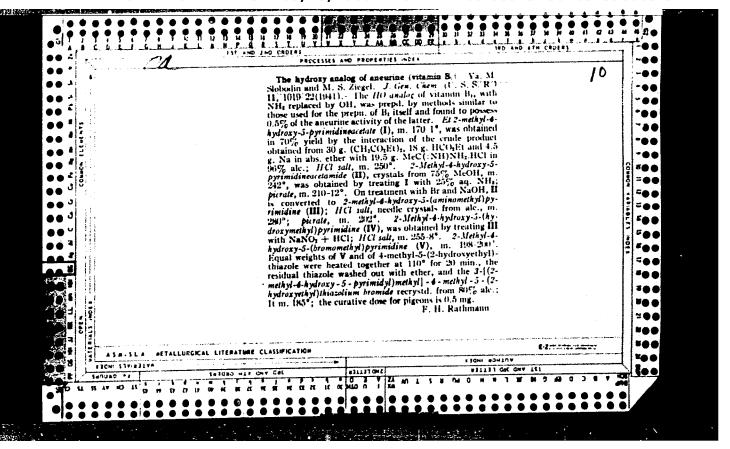


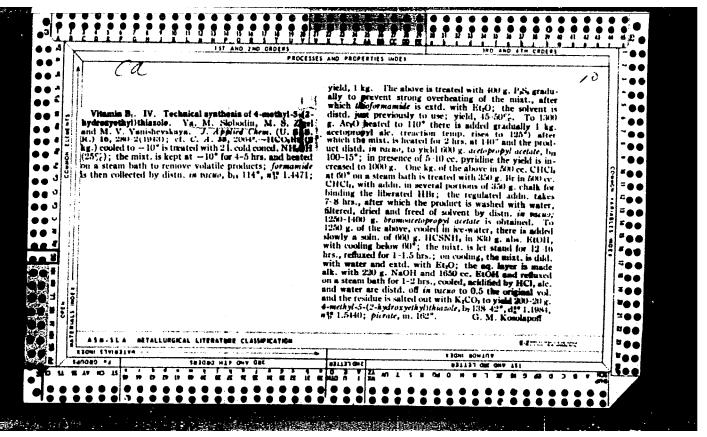


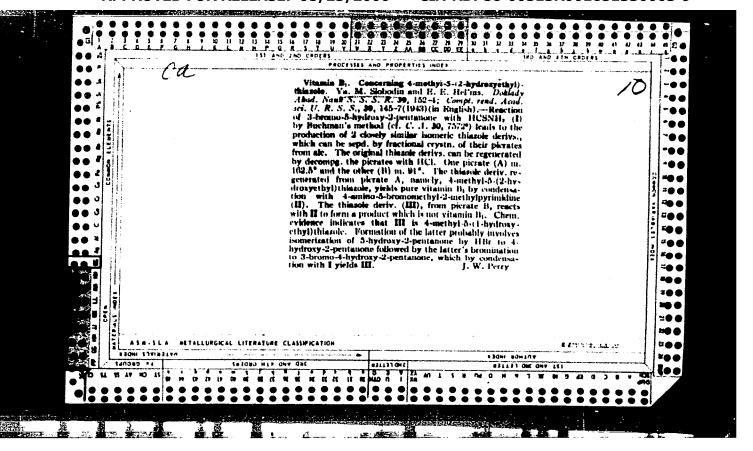


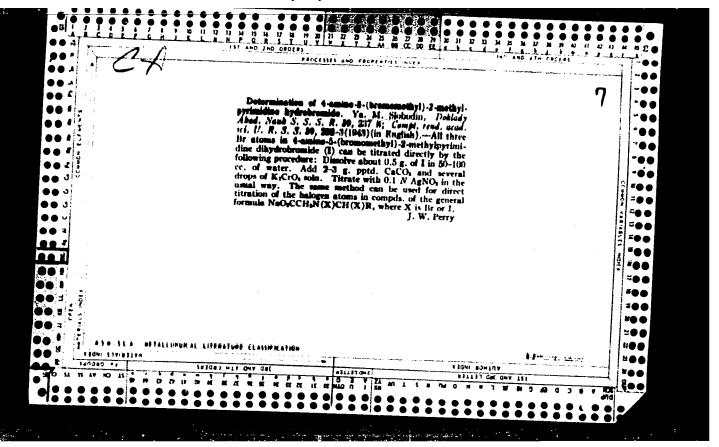


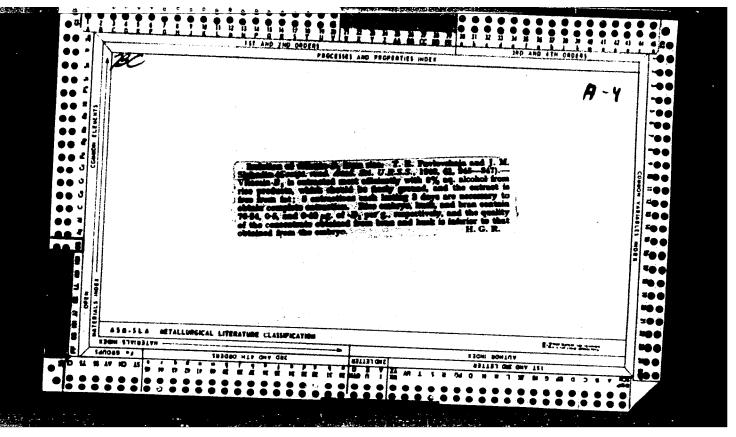


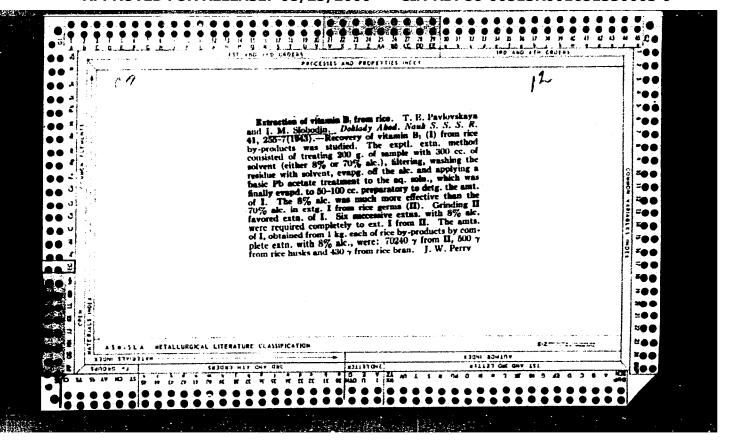


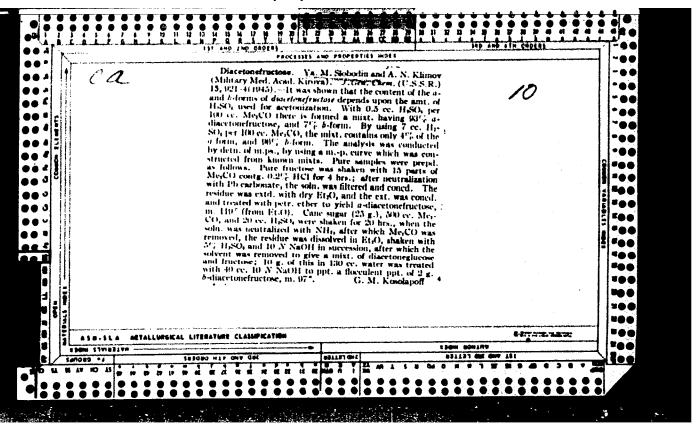




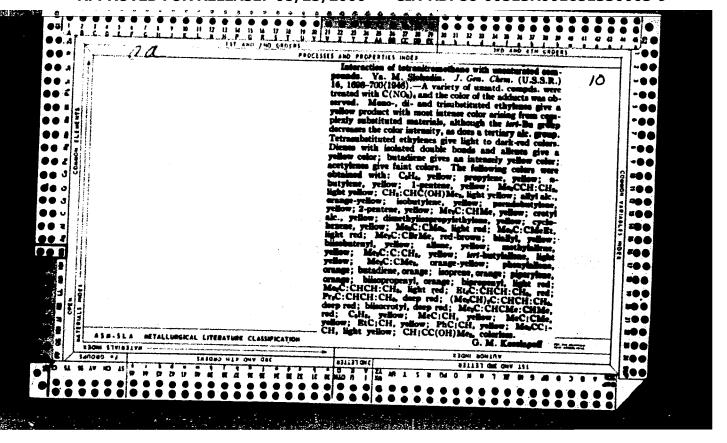


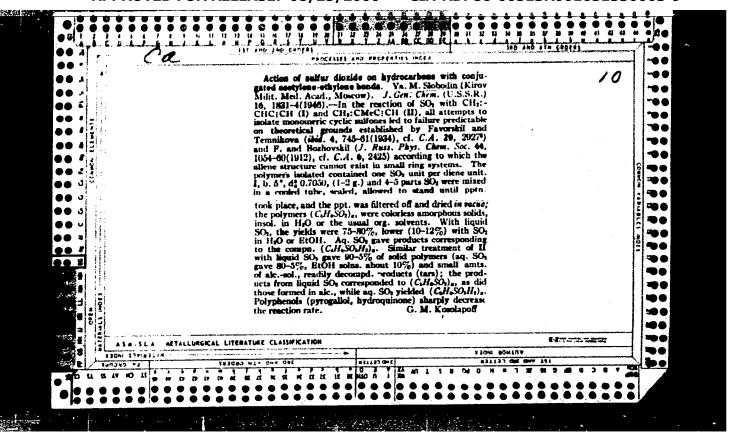


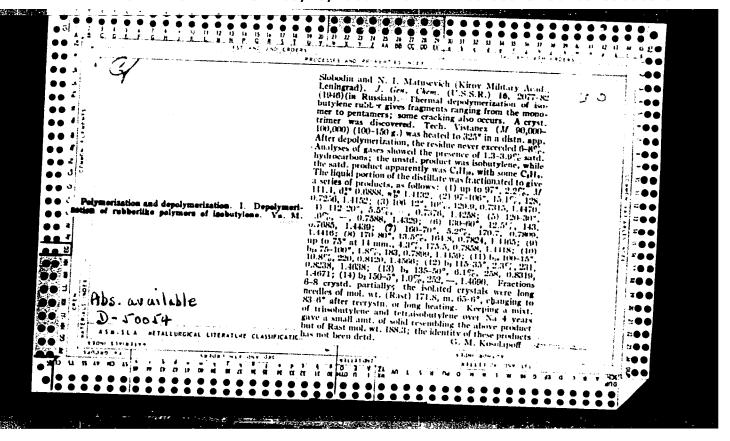


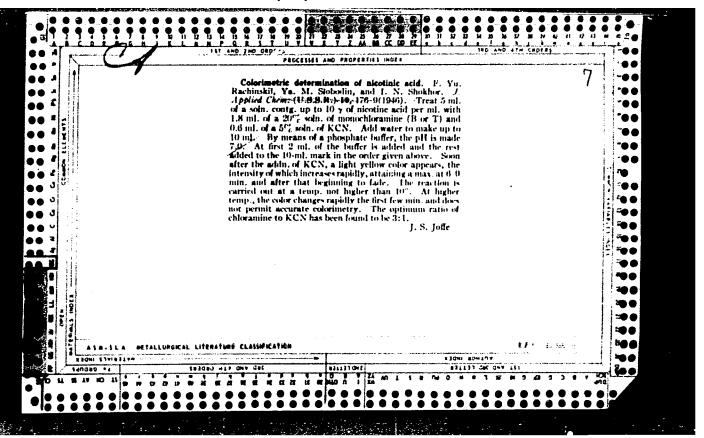


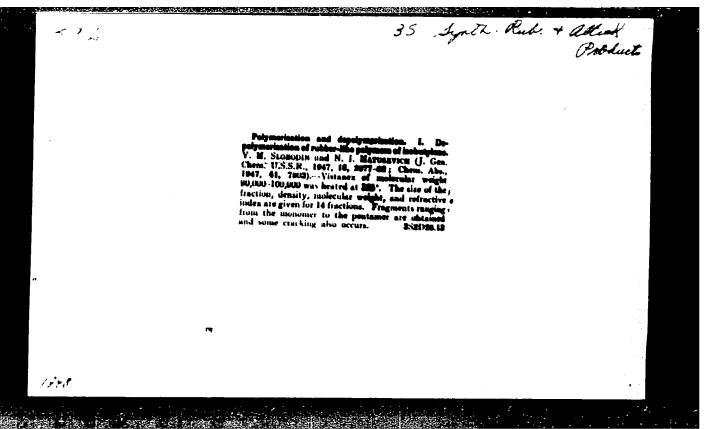
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USSR/Chemistry - Polymers - Feb 1947
Chemistry - Catalysis

"Polymerization and Depolymerization: 2, Catalytic Thermopolymerization of Divinyl," J. M. Slobodin, F. Yu. Rachinskiy, 3 pp

"Zhur Obshch Khim" Vol XVII, No 2

The thermopolymerization of divinyl over floridine leads to the formation of a new series of cyclic forms.

Abs. available

15156

D-50054

SLOBODIE, YA. M.

PA 15T74

USSR/Chemistry - Ascorbic Acid Chemistry - Sorbose Mar 1947

"Ascorbic Acid, Its Preparation and Properties: III, The Acetonization of Sorbose," Ya. M. Slobodin, 4 pp

"Zhur Obshch Khim" Vol XVII, No 3

The acetonization of sugars leads to the formation of an equilibrium mixture of mono and diacetone derivatives. Increase of temperature shifted the equilibrium toward the formation of the monoacetone sugars, and a positive influence of metallic Al and Zn on the yields of diacetone sugar derivatives was noted.

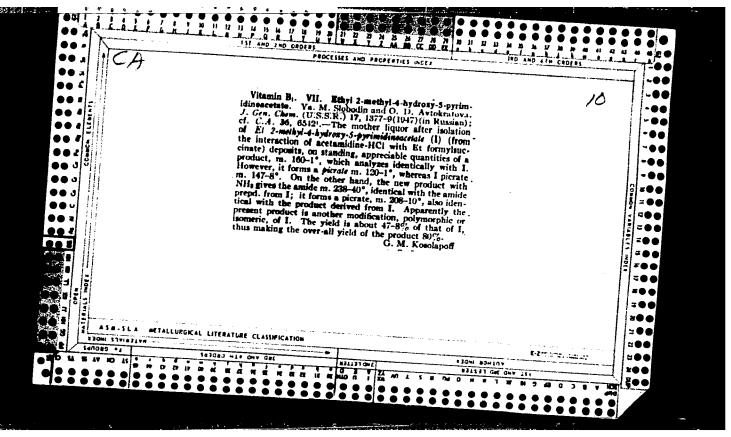
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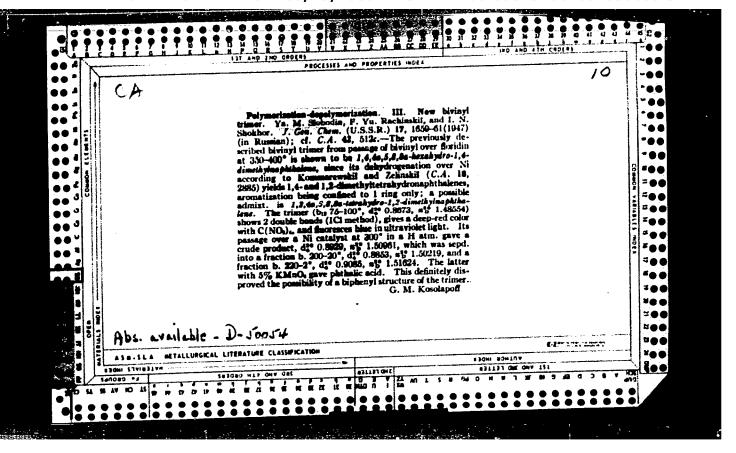
USSR/Chemistry - Aldehydes Mar 1947 APPROVED FOR RELEASE: -08/25/2900, ChCIA-RDP86-00513R001651330003-9"

"The Reversibility of the Esteric Condensation of Aldehydes," Ya. M. Slobodin, F. Yu. Rachinskiy, O. D. Avtokratova, 6 pp

"Zhur Obshch Khim" Vol XVII, No 3

The Canizzaro-Tishchenko reaction was found to be reversible. Equilibrium was not established in the system acetaldehyde-ethylacetate due to a number of simultaneous side reactions.





SLOBODIN, YA. M.

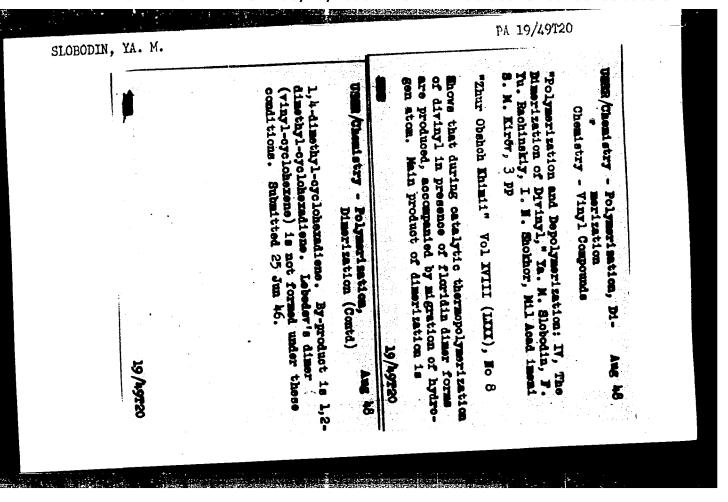
PA 52714

USSR/Chemistry - 1,3-Butadiene Chemistry - Polymers Oct 1947

"Rubbery Cyclopolymer of Bivinyl," Ya. M. Slobodin, F. Yu. Rachinskiy, Mil Med Acad imeni S. M. Kirov, 2 pp

"Dok Akad Nauk SSSR" Vol LVIII, No 1

Gives data on experiments in polymerization of bivinyl, as a result of which, properly constructed polymers were produced. Below 150° the rubbery cyclopolymers were accompanied by various amounts of aliphatic forms. 150° and higher, as a result of formation on the catalyzer of a large amount of chains and their frequent breaking away, polymerization is limited by formation of polymer forms of comparatively low molecular weight. Submitted by Academician A.A. Balandin, 14 Mar 1947.



SLOBODIN, YA. M.

PA 19/49T21

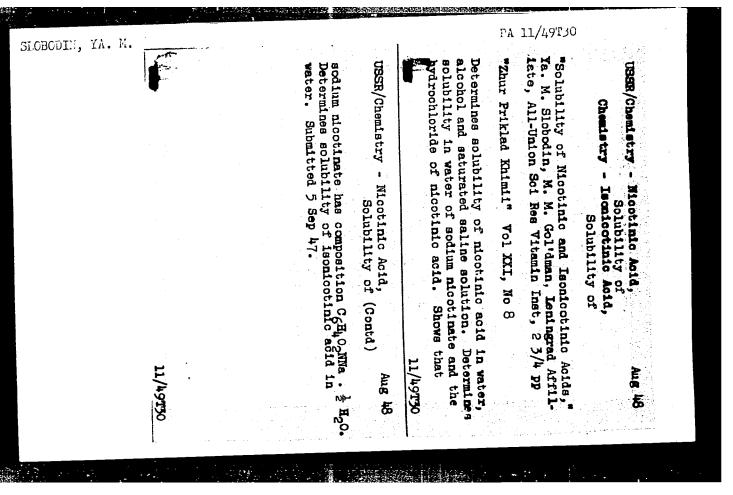
USER/Chemistry - Polymerisation Chemistry - Vinyl Compounds Aug 48

"Polymerization and Depolymerization: V, Tetrameric Divinyl," Ya. M. Slobodin, F. Ya. Rachinskiy, I. H. Shokhor, Mil Med Acad imeni S. M. Kirov, 2 pp

"Zhur Obshch Khimii" Vol XVIII (LXXX), No 8

Shows that tetramer formed during thermopolymerization of divinyl in presence of floridin in the temperature range 300-400° is 9,10-dimethyl-decahydro-anthracene. Submitted 22 Jun 46.

19/49721



SLOBODIN YA. M.

LI. Dec 50

USSR/ Chemistry - Fuels, Synthetic Elastomers

11 Dec 50

"Spectra of Combination Dispersion and the Process of Isobutene Folymerization," Ye. F. Gross, Corr Mem, Acad Sci USSR, K. B. Nellson, Ya. M. Slotedin, Leningrad State U imeni A. A. Zhdanov, Mil Med Acad imeni S. M. Kirov

"Dok Ak Nauk SSSR" Vol LXXV, No 5, pp 697-700

Constitution of the dimer (I), trimer (II), teramer (III), pentamer (IV), and polymer having av mol wt of 800 (V) detd from their spectra. Found I to consist of the 2 possible isomers; II of isomers having double bond both in middle of chain and at end while mol of III, IV, and V have double bonds at end of chains only.

PA 172T9

Ya. M. SLOBODIN

PA LYDŤE:

USSR/Chemistry - Organic Synthesis Drugs Nov 51

"Synthesis of Methylcyclopropylcarbinol," Ya. M. Slobodin, I. N. Shokhor

"Zhur Obshch Khim" Vol XXI, No 11, pp 2001-2005

Worked out convenient lab method for reacting acetyltrimethylene with Al isopropylate to prep methylcyclopropylcarbinol, which had characteristic properties. Yield was 87% of theoretical and can be increased. Obtained spectra of combination scattering of light for methylcyclopropylcarbinol and acetyltrimethylene.

194T47

10

CA

Structure of Gustavson's hydrocarbon. II. Stepwine synthesis of opiropostane. Ya. M. Slobodin and I. N. Slobotor. Zhur. Objectof Kleure (J. Gust. Chem.) 21, 2005-11(1901); cf. Gustavson, Invest. Ahad. Nauh (Russ.) 5, 237(1906); J. prakt. Chem. [2] 36, 105(1906); 36, 93 (1907); C.A. 43, 901d.—Raman analysis of Gustavson's hydrocarbon mirt. showed that the principal components are usethylenecyclobutane and EcChe: CHe. The stepwine synusethylenecyclobutane only, since the 3-membered ring gives methylenecyclobutane only, since the 3-membered ring gives methylenecyclobutane only, since the 3-membered ring incomerises to a demandered ring, confirming the unchanism information on suggested by Favorskii and Batalin (C.A. 9, 1780). C(CHOH), (130 g.) and 102 g. Accol resistant of isomerization suggested by Favorskii and Batalin (C.A. 9, 1780). C(CHOH), (130 g.) and 102 g. Accol resistant in the higher fractions, including 30% 1,3,3,5 pentent has given several fractions, including soft 1,3,3,5 pentent the higher fractions coutained tetra- and triacetates, the higher fractions coutained P and Br in CHCls with ice the higher fractions coutained P and Br in CHCls with ice could be seen to 180, 2,3-bits bromomethyl-1,3-propuncted discouted by 182-7, dis 1,6518, s.W. 1,65591, which (190 g.), accessed, bu 182-7, dis 1,6518, s.W. 1,65591, which (190 g.), treated with 150 ml. RtOH, 10 ml. HeO, and 50 g. Zu desst 3 treated with 150 ml. RtOH, 10 ml. HeO, and 50 g. Zu desst 3

hrs. on the steam bath gave 1,1-cyclopropanalizational discretion, 44%, bu 135-7°, dt° 1,6817, st° 1,64458, which boiled 6 hrs. with satul. KsCO, soin. save 85% 1,1-cyclopropanalizational, bu 123-7°, dt° 1,0710, st° 1,64635, r° 3,646, partly crystg. on standing. A latter precedure van te treat the broadle with Zn, sat. the mist. with NH, at 0°, and let stand 3-3 days. The given above with 2 to 3 days. The given above with 75% and periodise gave 43% of the big broadship leytherepasse, bu 83-7°, dre 1,7805, st° 1,3843, r° 37,94. This with Zn dust in EOH with simultaneous distanges 47% hydrocarbon (II), bu 41.5-2.5°, dt° 0.7357, st° 1,4163, r° 20.37°, which, hydrogenated over F1 onite, readily testing 90% (of theoretical) II. Its consts. and behavior conferm its structure as methylenecyclobisms and ust a trace of spirogenstane was found. Hydrogenation of the Gustavane hydrocarbon gives a time curve with a break indicating hydrogramic gave cycloburaneous und SCOM enty-curve; esconsiying gave cycloburaneous und SCOM enty-curve; esconsiying gave cycloburaneous und SCOM enty-

mainly during the treatment of the dibromide, probably with formation of 1-bromo-1-(bromomethyl)cyclobutane from 1,1-bis(bromomethyl)cyclopropane. The Ramon spectrum of the dibromide contains elements of 3- and 4-membered rines.

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USSR/Chemistry - Fuels Flastics apr 51

"Spectra of Combination Scattering of Light of Low-Tolecular Folymers and the Polymerization of Isobutene," Ye. F. Gross, L. V. Wel'son, Ya. . . Slobodin, State U imeni A. A. Zhdanov, Leningrad

"Zhur Fiz Khim" Vol XIV, No 4, pp 504-512

Obtained spectra of combination scattering of light for dimer, trimer, tetramer, pentamer, and polymer of isobutene with av mol wt 800. Analyzed vibration frequency of =C =CH2 group. Detd positions of C=C bonds in various forms of each polymer, concluded polymers tended toward mol structure with C=C bond at end of chain.

180T34

SLOBODIN, Ya. M.	•	<u>ት</u> '	g I	TO SET TO BEH	Z	Yes a	8	
		2,4,4,6,6,8,8-heptamethylnonene-2 ing to Whitmore) was detected.	USSR/Chemistry - Polymers (Contd	Investigation by Raman spectra of products of merization of isobutene in presence of H2SO4 closed presence of following tetramers: (a) 4, 6, 6, 8, 8-heptamethylnonene-1, the chief uct (presence of isomers with different Me g distribution is possible); (b) 2,2,6,6-tetra 4-neopentylheptene-3 (only approx 10% of tetra	"Zhur Obshch Khim" Vol XXII, No 1, pp 102-105	"Polymerization-Depolymerization. of the Tetramer of Isobutylene," Ye. M. Markova	USSR/Chemistry - Polymers	
			(Contd)	pectra of products of poly- in presence of H ₂ SO ₄ dis- ring tetramers: (a) 2, 4, honene-1, the chief prod- with different Me group); (b) 2,2,6,6-tetramer ly approx 10% of tetramer	I, No 1, pp 102-1	VII. Ya. M.		
	207120	accord-		Hasou dis-	105	Structure Slobodin,	Jan 52	

SLOBODIN, Ya. M.

USSR/Chemistry - Polymers

Jan 52

"Polymerization-Depolymerization. VIII. Action of Metallic Sodium on 1,4-Dibromobutene-2," Ya. M. Slobodin, N. M. Vinokurova

"Zhur Obshch Khim" Vol XXII, No 1, pp 105-109

Debromination of 1,4-dibromobutene-2 (I) with Na in dry ether proceeds by splitting off of Br to form 1,8-dibromoctadiene-2,6, which is further converted to octadiene-1,6, dodecatriene, and more highly polymerized products. Reaction mech is complex. High-polymer products must be increasingly unsatd. Upon splitting off of Br from I, cyclic hydrocarbons with 4 or 8 C atoms are not formed, in agreement with strain theory.

SLOBODIN, YA. M.

Slobodin, Ya. M., and Shokhor, I. N.- "Cyclopropylacetylene." (p. 195)

SO: Journal of General Chemistry, (Zhurnal Obshchei Khimii), 1952, Vol. 22, No. 2

	USSR/Chemistry - Hypartial splitting or vinylcyclopropane Synthesized II and	By means of Raman spec of interaction of PBrabinol (I) as X-bromod 5-bromopentene-2. Est cyclopropane, product I, undergoes opening of During its prepn and	USSR/Chemistry - "Action of PCl3 binol," Ya. M. S
	<u> </u>	trc; trc	Hydrocas and PBr ₃ lobodin,
	(Contd) (10-15%) % trans-1	th methylcyclopropylcar- th methylcyclopropylcar- lcyclopropane and about 7 lshed that ox-chloroethyl interaction of PCl ₃ with interaction of small extent- ing only to small extent- atment it is subjected to	rbons Feb 5 on Methylcyclopropylcar- I. N. Shokhor KII, No 2, pp 208-214
20 91 15	Feb 52 to form 75 piperylene.	identified products lylcyclopropylcar- propane and about 70% that of-chloroethyl- ction of PCl3 with ly to small extent. It is subjected to 209715	Feb 52

SLOBODIN, YA.M.

USSR/Chemistry - Butadiene

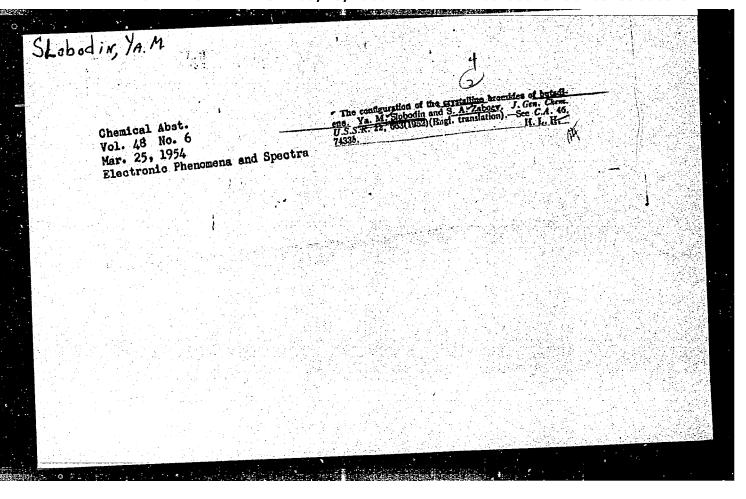
Apr 52

"The Configuration of Crystalline Butadiene Bromides," Ya. M. Slobodin, S. A. Zaboyev

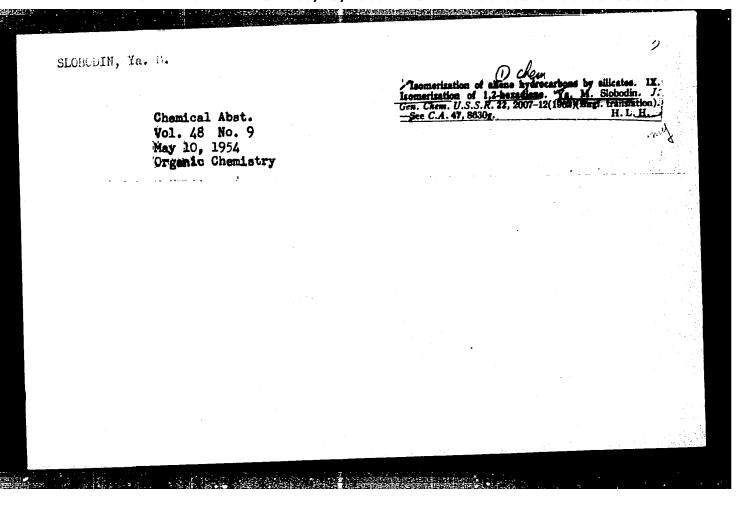
"Zhur Obshch Khim" Vol XXII, No 4, pp 603,604

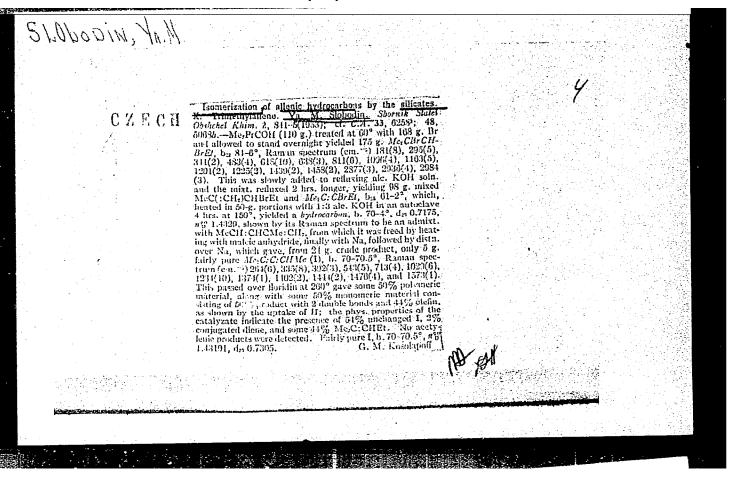
The combination dispersion spectra of butadiene bromides were investigated. The data obtained in this manner show that butadiene, in reacting with bromide, enters into the reaction inits "curved form, which leads to formation of cis-dibromide. The high-melting tetrabromide had a dl-configuration, while the low-melting tetrabromide has a meso-configuration.

224T35

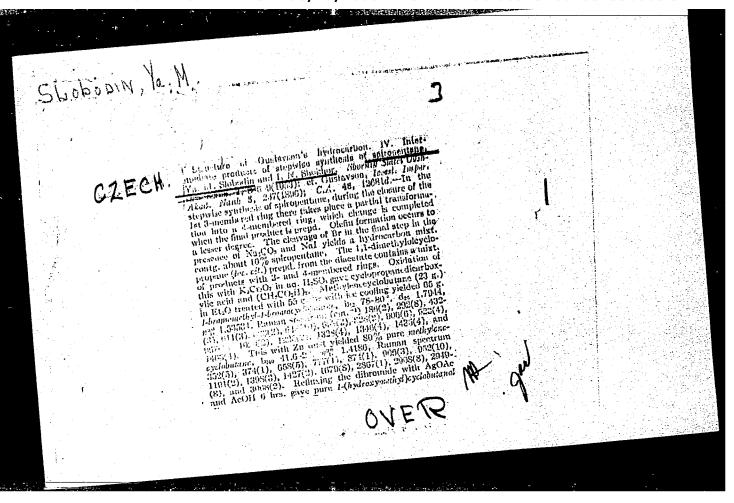


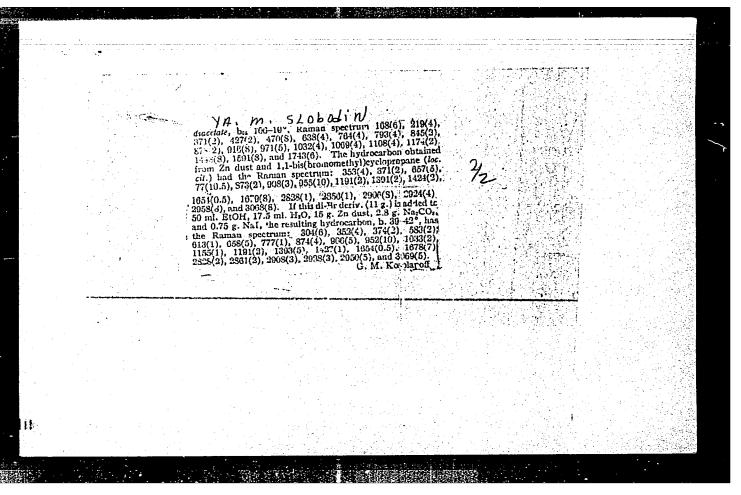
Mosotar Ya. M.	 	23∂T26 ₩ Ø =	g
238126	Obshch Khim" Vol s shown that hexa floridin, is isom nchanged allene, ituted acetylene	ization "Isomerization of Allene Hydrocarbons With Silicates: IX. Isomerization of Hexadiene-1, 2," Ya. M. Slobodin.	USSR/Chemistry - Hydrocarbon Ischer- Nov 52





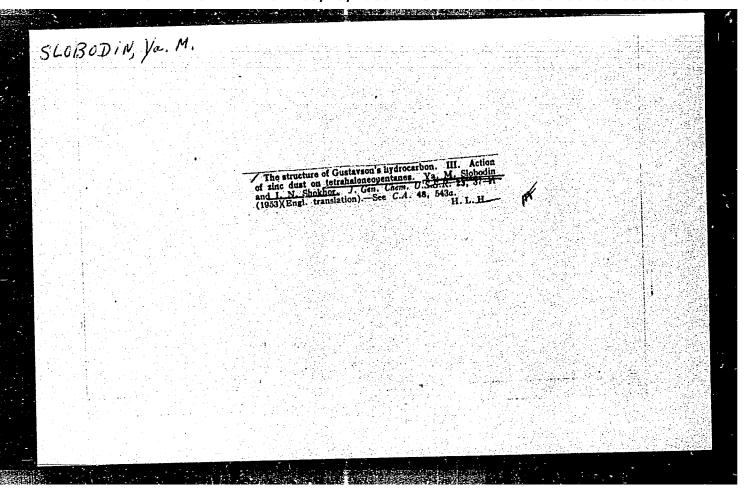
"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001651330003-9





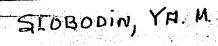
SLOPODIN, Ya. M. and SHOKHOR, I. N.

Cyclopropane (1,5-Spiro)-2,4,6,-Triketo-Hexahydro Pyrimidine, page 850,
Sbornik statey po obshchey khimii (Collection of Papers on General
Chemistry), Vol II, Moscow-Leningrad, 1953, pages 1680-1686.

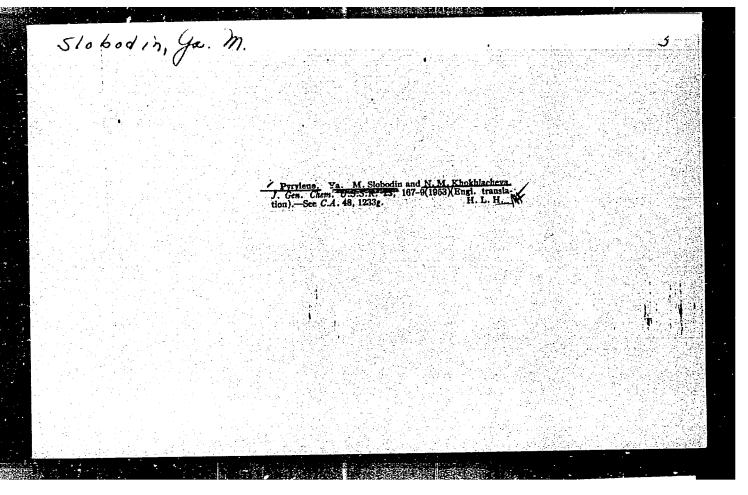


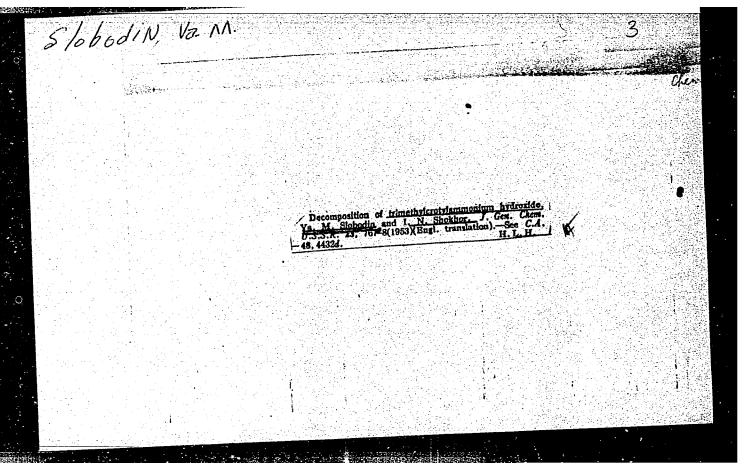
SLOBODIN, Ya M.

The structure of Gustavson's hydrocarbon. III. Action of zinc dust on tetrahaloneopentanes. Va. M. Slobodin and I. N. Shokhor. Zhur. Obshchel Khim. 23, 42-6(1953); cf. C.A. 46, 6598e, 10112c.—Zn dust in nonaq. AcNH₃ reacts with tetrahaloneopentanes yielding a mixt. of hydrocarbons consisting of methylenecyclobutane (I), spiropentase (II) and 2-methyl-1-butene (III). The content of II rises as one substitutes tetrahaloneopentares for the heart. substitutes tetraiodoneopentane for the tetra-Cl analog; the tetra-Br analog gives intermediate yield. Yield of II from tetraiodo deriv. is not affected by addn. of Na₂CO₃ which confirms its role as the agent which regenerates the iodide ions. Possibly the variation of yield of II is related to variation of the property of the confirmation confirms its role as the agent which regenerates the iodide ions. Possibly the variation of yield of II is related to variation of atomic radius of the halogens involved. PCls (140 g.) was treated with SO, and the mixt. of SOCI-POCI, was treated with 14 g. pentaerythritol (IV), followed slowly by 8 g. pyridine with kee cooling; after 3 hrs. refluxing the mixt. was quenched in ice yielding 21.g. C(CH₂Cl), (V), m. 97°. PBr₂ and IV gave C(CH₂Fr), (VI), while treatment of this with NaI in MeRtCO gave C(CH₂I), (VII). V failed to react with Zu dust in aq. RtOH in the presence of NaI and Na₂CO₂. Heating 21 g. V, with 25 g. Zu dust, 10.6 g. Na₂CO₁, 2.5 g. NaI, and (CH₂OH), to 180-90° gave some 3 g. low-boiling material, b. about 80°, identified as an unsatd. chloride of unknown structure. Heating 21 g. V, 90 g. dry AcNH₂, 15 g. Na₂CO₁, and 50 g. Zu dust to 170-80° led to rapid formation of a hydrocarbon in 40% yield; afterdistn. over Na this b. 33-42° (mostly 38-42°). The Raman spectrum showed the presence of I, II, and III in 80-5%, 10%, and 5-10% ratio, resp. When NaI (5 g.) was added the yield of total hydrocarbon rose to 45% and the content of II rose to 30-40%, that of III to 10-20%, and I dropped to 50%. Similar reaction of VI in aq. RtOH gave 80% hydrocarbons: 80-90% I and 10-15% III; if Na₂CO₃ and NaI are added the hydrocarbon yield rises to 78-89% with 24-8% II, 54-8% II, 13-18% III, and 1-3% 1,1-dimethylcyclopropane; run in AcNH₃ with Na₂CO₃ added the hydrocarbon yield rises to 78-89% with 24-8% II, 54-8% II, 10-36% I, and 17-30% III. VII reacts with Zd dust very slowly in aq. RtOH. In AcNH₃ with Na₂CO₃ and NaI are added the total yield of hydrocarbons rises to 80%, coatg. 50% II, 40% I, and 10% III; without these addesda the total yield is etill 80%: 50% II, 25% III.



Chemical Abst. Vol. 48 No. 3 Feb. 10, 1954 Organic Chemistry Pyrviene. Va. M. Slobodin and N. M. Khokhlacheva.
Zher. Unixes Remires; Rev. (1953); cf. Braun and Teuriert, C.A. 22, 2243.—Pyrviene (1-pentur-3-yne), b: 57-8°,
d= 0.7412, s'§ 1.45797, does not react with reagent; typical
of monosubstituted acctyfeth. On hydrogenetion it odds
of monosubstituted acctyfeth. On hydrogenetion it odds
of monosubstituted acctyfeth. On hydrogenetion it odds
OH atoms over Pt black. Rames spectrum shows the following lines (cm. '): 238(3), 239(3), 319(3), 391(2), 397(2),
428(2), 488(5), 518(5), 548(5), 658(2), 678(1), 703(2),
722(2), 791(1): 808(1), 913(1), 1020(1), 1082(8), 1106(1),
1153(10), 1276(2), 1395(6), 1390(5), 1412(6), 1559(1),
1658(1), 1600(10), 1018(5), 1936(6), 2088(1), 2137(1),
1859(4), 2237(10), 2339(1), 2380(1), 2931(8), 2284(4),
3013(3), 3098(2). The 1600 and 2200 region lines indicate
the double and the triple bond, resp., with conjugation
since 1609 and 1618 are weak. The 2237 m. frequency
indicates disubstituted acctylene. Directhylipperaleise
(cf. B. and T., loc. cd.), bas 73-5°, has the Raman spectrum
(cm. -1): 290(2), 855(1), 341(1), 903(1), 952(1), 1020(1),
1049(1), 1124(3), 1191(1), 1238(3), 1266(1), 1309(3),
1374(5), 1411(2), 1439(2), 1458(4), 1631(3), 1596(4),
1650(20), 2232(2), 2313(1), 2491(3), 2890(3), 2921(1),
2889(1). The amine undergoes rapid tar formation when
illuminated; pure specimens have ds 0.621(2); st'j-1.4618,
which specim MrKo with Chipin with 2 double bonds.
The Raman spectrum surgests that it is not an individualbut a mint. containing an acctylente mine: the principal
constituent appears to be Mes/CCHCH,CHCH,CHLi,
which specim bonds. Exhaustive methylation of ChiCH(CH₂),NM₁OH gave piperylene, MeCH-CHCHCH,CH₂,
whose Raman spectrum contains the following lines (cm. -1);
386(5), 478(2), 618(1), 899(3), 922(2), 1034(1), 1106(0,5),
1167(3), 1191(1), 1248(10), 1296(8), 1388(2), 1435(4),
1408(4), 1191(2). 1248(10), 1296(8), 1388(2), 1435(4),
1408(4), 1191(2). 1248(10), 1296(8), 1388(2), 1435(4),
1408(6), 1408(6), 1508(6), 1508(6), 1608





"APPROVED FOR RELEASE: 08/25/2000 CI

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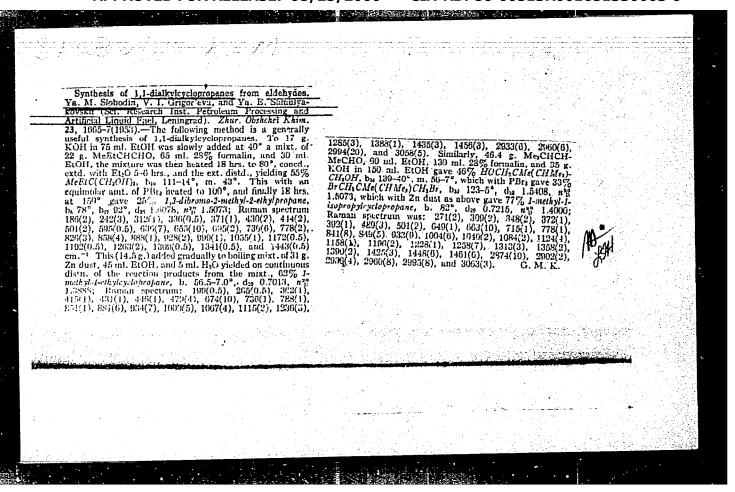
SLOBODII, Ya. M.

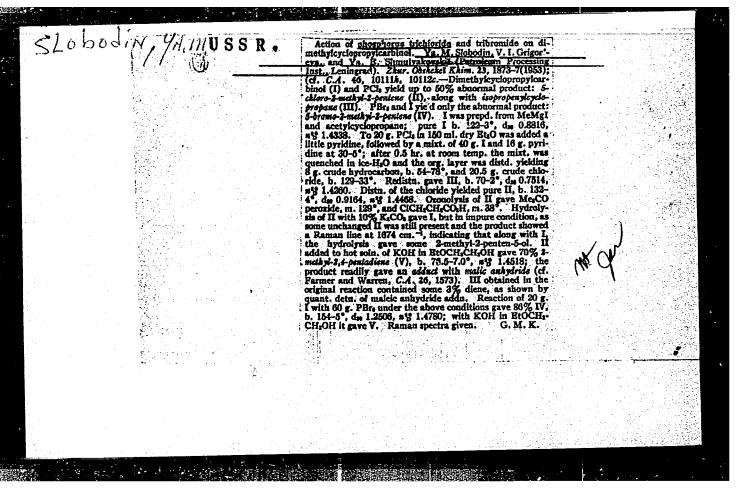
Chemical Abst. Vol. 48 No. 8 Apr. 25, 1954 Organic Chemistry Synthesis of nethyl cyclopropyl ketone by exhaustive methylation. Ya. M. Slobedin and N. A. Selezneva. Zhur. Obshehel Khim. 22, 886-7(1953); cf. C.A. 46, 7059h.

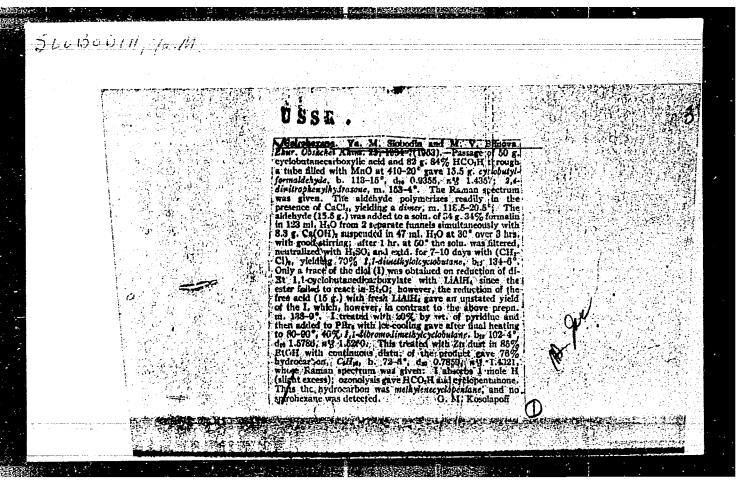
Treatment in the cold of Ac(CH₁), Br with a slight excess of Mc₁N gave AcCH₂CH₂CH₃NMc₂Br, which, slowly distd, with slight excess 40% KOH, yielded 40-5% Arc cyclopropyl ketone, b. 111-11.5°, ds. 0.8947, n° 1.4220; 2,4-dinifrophenylhydrazone, m. 130-8°. Use of Ago gave yanishingly low yields. The product was further identified by its Raman spectrum.

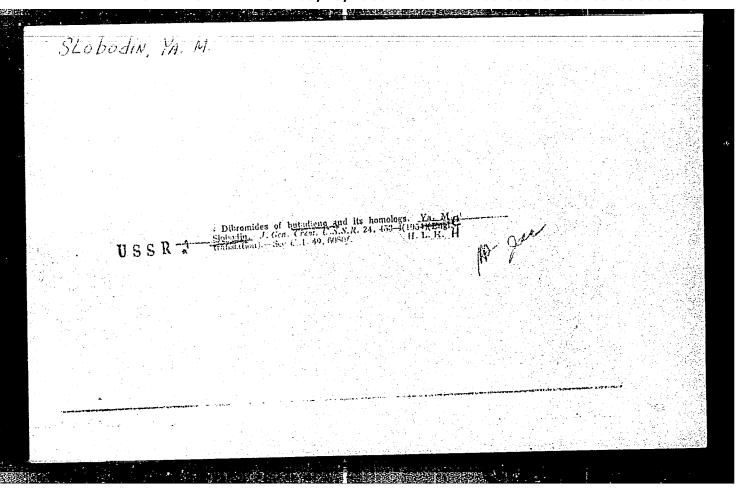
C. M. Kosolapoff

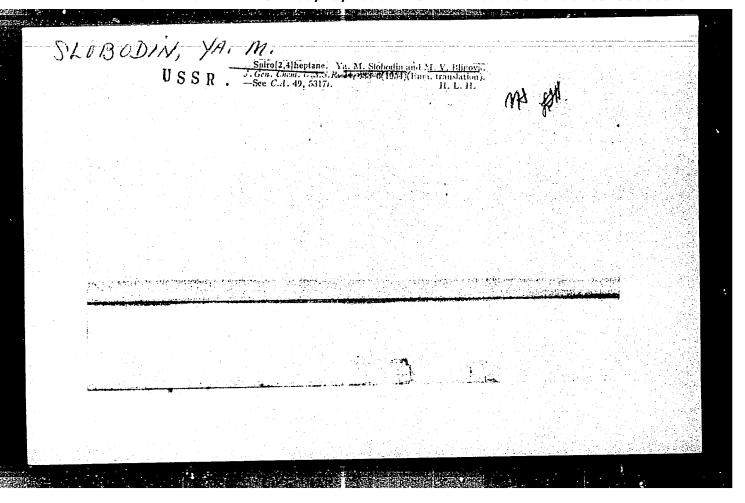
SLOBODIN, YA. M. to the formation of trimethylethylene (II) and asymmetrical methyl-ethylene in the same prodeposited on distomaceons earth, leads to the forhydrocarbon mixt, in addition to unchanged I, conproduces a mixture of bromides containing 40% of trimethyl-ethylene bromide and 60% of asymmetrical 26**81**28 mation of isopentane. When there is a deficiency of H during the hydrogenation of I, the resulting of Br from the mixture of bromides obtained leads "Concerning 1, 1-Dimethylcyclopropane," Ya. M. Slobodin, V.I. Grigor'yeva, and Ya.E. Shtulyakov-skiy; Leningrad Sci-Res Inst for the Conversion The splitting off portion. The hydrogenation of I at 150° over Mi The action of Br on 1, 1-dimethylcyclopropane (I) 268**T28** Sep 53 of Petroleum and the Production of Synthetic Zhur Obshch Khim, Vol 23, No 9, pp 1480-1485 methyl-ethyl-ethylene bromide. USSR/Chemistry - Hydrocarbons Liquid Fuel











Shobodin, YA.M.

USSR/Chemistry - Analysis

Card 1/1 : Pub. 151 - 8/37

Authors : Slobodin, Ya. M.

Title : Butadiene dibromide and its homologues

Periodical : Zhur. ob. khim. 24/3, 444-447, Mar 1954

Abstract: The combined diffusion spectra of divinyl dibromide and its closest homologues, diethyl and diacetyl ether of butene-2-diol-1,4, were investigated.

It was established that addition of Br to above mentioned conjugated dienes follows a generally known pattern. The 1,4-dibromides formed as result of the addition reaction were found to have a trans-configuration. The bond frequencies of the dibromides were calculated. The combined diffusion spectra of the products investigated are listed. Six references: 2-USA

and 4-USSR (1931-1953). Tables.

Institution:

Submitted: October 23, 1953

SLOBODIN . Ya.M.

USSR/Chemistry

Card 1/1

Authors

: Slobodin, Ya. M.; and Blinova, M. V.

Title

: About spiro-(2, 4)-heptane

Periodical

: Zhur. Obshchei Khim. 24, Ed. 4, 621 - 625, April 1954

Abstract

: Through condensation of cyclopentylformaldehyde with formaldehyde in an alkali medium the authors obtained an 86% yield of 1, 1-dimethylol-cyclopentane. Separation of bromine from 1, 1-dibromodimethylcyclopentane with zinc powder led to formation of a hydrocarbon mixture containing about 40% of spiro-(2, 4)-heptane and about 60% of methylene-cyclohexane. The combined diffusion spectrum of the derived hydrocarbon showed a line with a frequency of 1650 cm-1 which indicates the presence

of a hydrocarbon with double bond. Ten references; 7 USSR since 1915; 1 USA 1948; 2 Germans since 1909.

Table, chem. formulas.

Institution

:

Submitted

May 20, 1953

SLOBODIN, Ya. M.

MSR/Chemistry - Synthesis

Card 1/1

Pub. 151 - 31/42

Authors

: Slobodin, Ya. M.; Blinova, M. V.; and Devyatova, N. I.

Title

: Synthesis of cyclopentanol

Periodical

: Zhur. ob. khim. 24/9, 1639-1640, Sep 1954

Abstract

Various methods of reducing cyclopentanol were investigated. It was established that hydrogenation of cyclopentanol, over a Ni-catalyst applied on diatomaceous earth (kieselguhr) at 125°, results in formation of cyclopentane. The results obtained, during hydrogenation over a copper-chromium-barium catalyst at 160-170°, are described. Eight references: 3-German; 2-USSR; 2-French and 1-USA (1893-1944).

Institution : .

Submitted : April 14, 1954

Stubedin, YAM

USSR/Optics - Spectroscopy, K-6

Abst Journal: Referat Zhur - Fizika, No 12, 1956, 35832

Author: Slobodin, Ya. M., Shmulyakovskiy, Ya. E., Rzhendzinskaya, K. A.

Institution: None

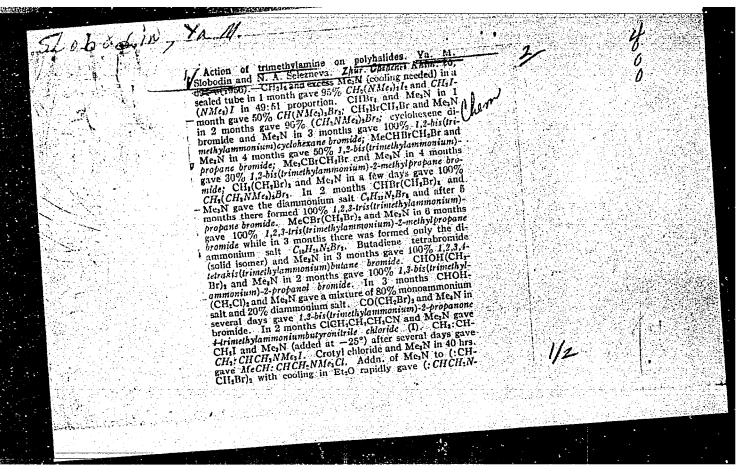
Title: Combination-Scattering Spectra in Low-Molecularo Polysiloxanes

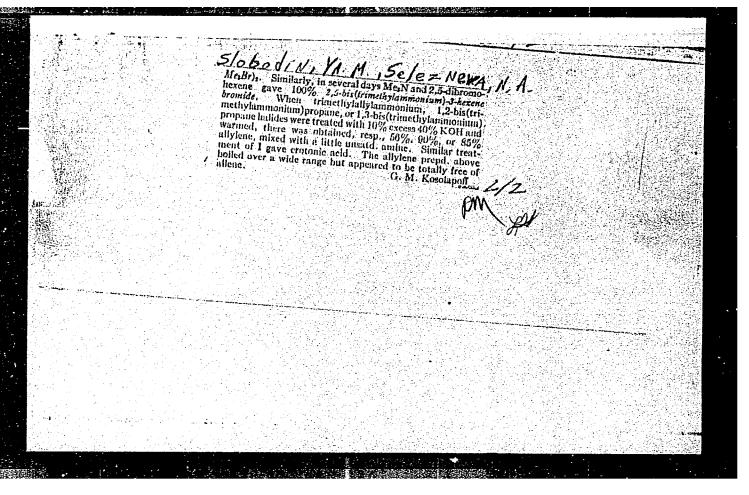
Original

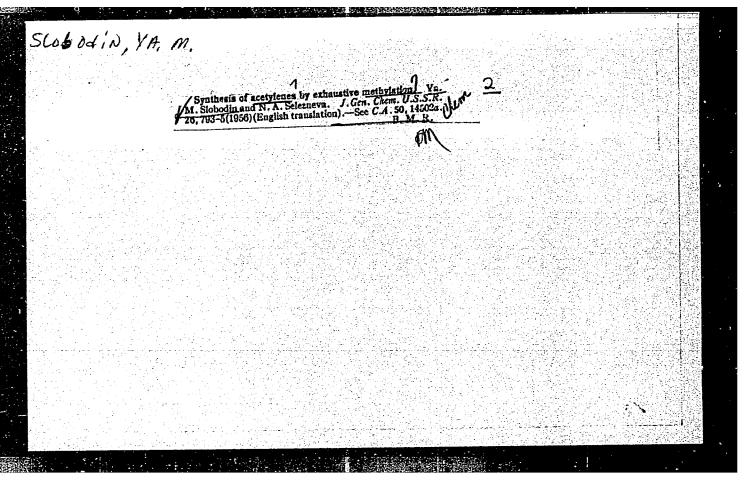
Periodical: Dokl. AN SSSR, 1955, 105, No 5, 958-960

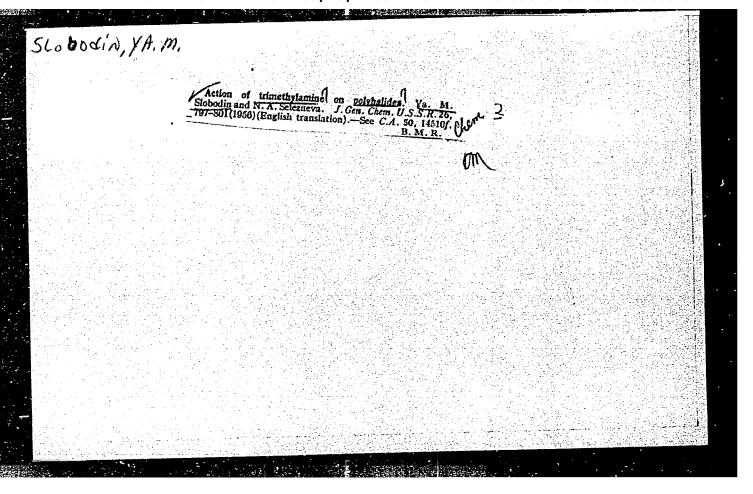
Abstract: Studies were made of the combination spectra of hexamethyldisiloxane (CH₃)₃Si-0-Si(CH₃)₃), octamethyltrisiloxane (CH₃)₃Si-0-Si(CH₃)₂-0-Si(CH₃)₃), dekamethyltetrasiloxane (CH₃)₃Si-0-Si(CH₃)₂-0-Si(CH₃)₂-0-Si(CH₃)₃), hexamethylcyclotrisiloxane (CH₃)₂-0-Z₁), octamethylcyclotetrasiloxane (CH₃)₂-0-Z₁), and dodekamethylcyclohexasiloxane (CH₃)₂-0-Z₁). A tentative interpretation of the bands is given. A substantial difference was observed between the spectrum of the hexamethylcyclotrisiloxane and the spectra of the other investigated cyclical polisiloxanes.

Card 1/1

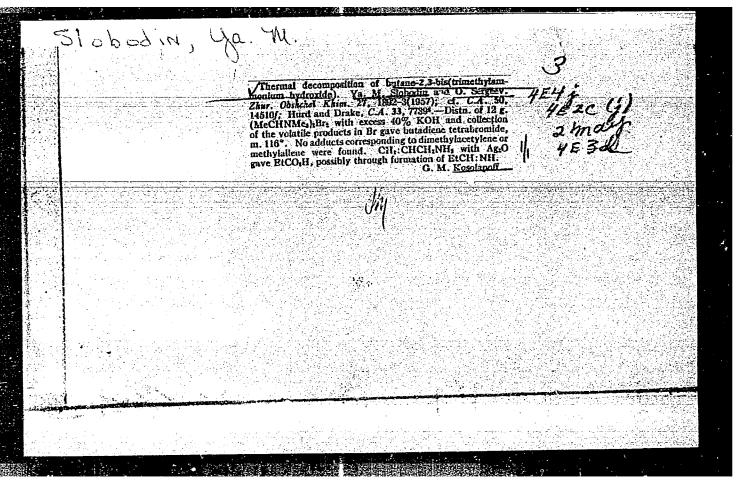








SLOBADIN, TA.M		3	
	Simple acetylones and alkaze compounds. Va 1/2. Sichorin and N. A. Scierneva. U.S.S.R. 107,269, Aug. 25, 1957. Salts of 1/2 and 1/3-bis(quaternary ammonium) bases are distd. with a solid hydroxide or its aq. soln. To obtain alkene compds. 1,4-bis(quaternary ammonium) bases contg. an unsatd. C chain are treated in a similar manger. M. Hoseh	1-480 1-484 1-4820(7) 2-May	
생활한 경기 수입 이 시간 경기 없다. 참 하다 일 등의 기상 시간 회사 기		/	
	교리 교통 및 발경하고 발생하는 경우 학생들이 중인한 경영을 해 기본 등 교통 기계 전쟁 기계 등 기계		



SIOBODIN, Ya.M.

Synthesis of enynes by methylation. Zhur. ob. khim. 27
no.9:2473-2475 S '57.

(MIRA 11:3)

(Hydrocarbons) (Wethylation)

SIOBODIN, Ya.M.; ALITHAN, S.S.; TAMMIK, K.D.

Preparation of antiwear sulfur-containing additives based on ethylene sulfide and fatty acids. Proizv.smax.mat. no.5:58-63 (MIRA 13:4)

1. Leningradskiy opytnyy neftemaslozavod imeni Shaumyana. (Lubrication and lubricants--Additives)

SIOBODIE, Ya.M., doktor khin.nauk, prof.

Synthesis of hydrocarbons with a triple bond by the method of exhaustive methylation. Trudy LIBI no.25:162-168 '59.

(High 12:11)

(Hydrocarbons)

s/079/61/031/012/003/011 D228/D301

Slobodin, Ya. M., and Khitrov, A. P. AUTHORS:

The problem of preparing allene TITLE:

Zhurnal obshchey khimii, v. 31, no. 12, 1961, 3945-PERIODICAL:

3947

TEXT: In considering this question the authors note the relatively small amount of previous work devoted to the properties of alleres. This has chiefly been due to the absence of suitable techniques for preparing these hydrocarbons in a sufficiently pure form; according to S. V. Lebendev even traces of 2-bromopropene in allene have a negative influence on its polymerization. Other solvents were, therefore, tested when effecting G. G. Gustavson's reaction between 2,3-dibromopropene and zinc dust: di-iso-propyl ether, dioxane, acetonitrile, diethyl formal, butyl acetate, and iso-amyl acetate. The best results were obtained with butyl acetate and iso-amyl acetate, the yield of allene being 95-98%. The examination of the infrared spectrum of allene synthesized by these reagents

Card 1/2

The problem of preparing allene

S/079/61/031/012/003/011 D228/D301

which was photographed on a Hilger H-800 spectrometer, disclosed the absence of any 2-bromopropene and methylacetylene impurities. The authors thus recommend this procedure as a means of obtaining pure allene. There are 1 figure, 1 table and 6 references: 3 Soviet-bloc and 3 non-Soviet-bloc. The references to the English-language publications read as follows: A. T. Blomquist and J. A. Verdol, J. Amer. Chem. Soc. 78, 109 (1956); Z. W. Zinnet and W. H. Avery, J. Chem. Phys. 6, 686 (1938).

ASSOCIATION: Vsesoyuznyy nauchno-issledovatel'skiy institut nefte-

khimicheskikh protsessov (All-Union Scientific Re-

search Institute of Petrochemical Processes)

SUBMITTED: February 6, 1961

Card 2/2

LABUTIN, Aleksandr Lukich, kand. tekhn. nauk; FEDOROVA, Nina Stepanovna; SLOBODIN, Ya.M., prof., red.; VASIL'YEV, Yu.A., red. izd-va; BELOGUROVA, I.A., tekhn. red.

[Anticorrosive and sealing thickol compounds] Antikorrozionnye i germetiziruiushchie tickolovye sostavy. Leningrad,
1962. 21 p. (Leningradskii dom nauchno-tekhnicheskoi propagandy. Obmen peredovym opytom. Seriia: Sinteticheskie materialy, no.4) (MIRA 15:10)

(Rubber, Synthetic)
(Corrosion resistant materials)

LABUTIN, Aleksandr Lukich, kand. tekhn. nauk; FEDOROVA, Nina Stepanovna; SLOBODIN, Ya.M., prof., red.; VASIL'YEV, Yu.A., red.izd-va; BELOGUROVA, I.A., tekhn. red.

[Hermetic seals from rubbers]Germetiki na osnove kauchukov; stenogramma lektsii. Leningrad, 1962. 47 p. (MIRA 15:10) (Sealing (Technology)) (Rubber, Synthetic)

SLOBODIN, Ya.M.; VOL'PE, L., red.; BARANOVA, L., tekhn. red.

[Elements of the main subgroups of the groups VII-IV of the periodic system; a handbook of inorganic chemistry] Elementy glavnykh podgrupp VII-IV grupp periodicheskoi sistemy; uchebnoe posobie po neorganicheskoi khimii. Leningrad, Severo-Zapadnyi zaochnyi politekhn. in-t, 1963. 185 p. (MIRA 17:3)

L 13559-63 EWP(1)/EPF(c)/EWT(m)/BDS P6-L/Pr-L RM/WW ACCESSION NR: AP3000706 8/0190/63/005/005/0774/0776

AUTHOR: Slobodin, Ya. M.; Matusevich, N. I.

TIME: Regularity of polyisobutylene structure

SOURCE: Vy*sokomolekulyarny*ye soyedineniya, v. 5, no. 5, 1963, 774-776

TOPIC TAGS: thermal depolymerization, polyisobutylene, dimers

ABSTRACT: An earlier study of the thermal degradation products of polyisobutylene showed that it undergoes depolymerization along the quaternary carbon-carbon links, with the formation of isobutylene and its low-molecular polymers (from dimers to hexamers) and its other constituents. That study led to the conclusion that the polyisobutylene chain consisted largely of head-to-tail-linked isobutylene molecules. The present investigation of thermal depolymerization was conducted at 325 from these a fraction was obtained with a boiling point of 115 to 167C, representing an intermediate fraction between the dimers and trimers of isobutylene. From the substance with a melting point of +8C was isolated. This substance proved to that it contained 2.1% of tail-to-tail isobutylene units. Orig. art. has: 2

Card 1/21 Northwestern Correspondence Polytechnical Tost

SLOBODIN, Ya. M.; KHITROV, A. P.

Thermal dimerization of allene. Zhur. ob. khim. 33 no.1: 153-157 '63. (MIRA 16:1)

1. Vsesoyuznyy nauchno-issledovateliskiy institut neftekhimi-cheskikh protsessov.

(Allene) (Polymerization)

SLOBODIN, Yakov Mikhaylovich; VOL'PE, L., red.

[Elements of the main subgroups of III-O grupps. Elements of the side subgroups of the periodic system; a manual of inorganic chemistry] Elementy glavnykh podgrupp III-O grupp. Elementy pobochnykh podgrupp periodicheskoi sistemy; uchebnoe posobie po neorganicheskoi khimii. Leningrad, Severozapadnyi zaochnyi politekhn. in-t, 1964. 175 p.

(MIRA 18:3)

ACCESSION	5 EPF(c)/EPR/EWP(j)/EMT NR: AP4030374	(m)/I Pc-4/Pr-4,	'Ps-4	
internal sections and	Slobodin, Ya. M.; Mayor		The property of the second of the party of the second of t	30 27 L B
TITLE: T	hermal decomposition of sarbons among its thermal	synthetic et <u>hylene</u> decomposit ion pro	-propylene rubber. 1.	G ₂ = 8
SOURCE:	Vysokomolekyarnyye soyedi	neniya, v. 6, no.	3, 1964, 541-514	
TOPIC TAG hydrocarb	S: rubber, ethylene prop oon	ylene, thermel de	composition, fractions	tion,
equimolar	Synthetic ethylene-prop quantities of ethylene s al decomposition in a Würt	and propylene on 2	iegler's catalyst, was	s subjected
The disti	illation of gaseous product. 1.14% of residue in the furomatographic technique,	cts yielded 93.66% Clask. The gas mi	of liquid condensate, xture was analyzed by	5.20% of the gas-
distillat	tion. It was found that to propylene, isobutylene, to 20 separate fractions were	the gas mixture co outane and butyler	nsisted of ethane and e, and butadiene. In	ethylene, the liquid
Card 1/2				

L 41765-65

ACCESSION NR: AP4030374

Other fractions were separated in 500-temperature intervals, up to 2500. Analysis by gas-liquid chromatography showed the C; fraction to consist of n-pentane, pentene-1, 2-methylbutane, 2-methylbutane-1, 2-methylbutene-2, isoprene, and piperilene. The C6 fraction contained n-hexane, hexene-1, and 2-methylpentane. The authors calculated that in the C5 fraction the sum of isomers with branched chain was 4.7 times higher than the sum of the ones with a normal chain structure. In the C6 fraction there was a predominance of hydrocarbons with normal carbon chain. The mechanism of thermal decomposition of ethylene-propylene rubber is linked by the authors to an initial formation of free radicals, which originates at the impact of the residual Ziegler catalyst upon the copolymer. It was concluded that 1) the propylene units in the copolymer are separated by one, two, or three ethylene units; and 2) propylene units directly linked by the tail-to-tail principle may be present in very small amounts. Orig. art. has: 4 tables and 1 formula.

ASSOCIATION: Severo-zapadnyy zaochnyy politekhnicheskiy institut (Northwestern Correspondence Polytechnical Institute)

SUBMITTED: 01Apr63

ENCL: 00

SUB CODE: GC

NO REF SOV: 005

OTHER: 008

SLOBODIN, YA.M.; BARANOVICH, Z.N.; BOGDANOVA, L.P.

Determining the solubility of gases in liquids. Zav. lab. 30 no.8:972 64. (MIRA 18:3)

1. Severo-zapadnyy zaochnyy politekhricheskiy institut.